John **Randolph**

Software Engineer · Data Scientist

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Education

Brown University — *Providence, RI*

B.S., Applied Math-Computer Science and Behavioral Decision Sciences — *September 2017 - May 2022*

- GPA: 4.0 / 4.0
- National Merit Competition Winner

Lakeside School — *Seattle, WA*

High School Diploma — *September 2013 - May 2017*

- GPA: 3.97 / 4.0
- ACT: 35

Experience

Alaina Shearer, OH-12 — *Remote*

Bluebonnet Data Fellow - Python, VAN — *Election 2020*

- Made voter maps with VAN data and reviewed primary data trends for Alaina Shearer campaign (House of Reps. from OH-12)
- Additionally, canvassed for Lenny Cioe and Cynthia Mendes through RI Poitical Co-op

Facebook — *New York, NY*

Software Engineering Intern, Natural Language Understanding Team – Python, SQL — *Summer 2020*

- Implemented pipeline for programmatic data labeling
- Ran experiments and performed data analysis on performance of NLU pipeline

Facebook — *Seattle, WA*

Software Engineering Intern, Monthly Billing Team – PHP, JavaScript — *Summer 2019*

- Built framework for backend usage of business, organization, and monthly invoicing flows

The Policy Lab @ Brown — *Providence, RI*

Data Scientist Intern – R — *Spring 2019*

- Identified patterns in noncompliance of traffic violation payments in New Orleans
- Created proposal for statewide integrated data system
- Redesigned DMV forms and presented at Rhode Island DMV and DOR

University of Washington Clinical Informatics Research Group — *Seattle, WA*

Software Engineering Intern – Python, JavaScript — *Summer 2018*

- Refactored backend code and implemented Swagger UI testing framework for movember.com and truenth.org

Skills

Languages Python, Java, C, R, JavaScript, HTML, CSS, PHP, SQL, Scala, Racket, OCaml
Software VAN, MATLAB, Mathematica, LaTeX

Coursework

Major
Coursework

Applied Math
Computational Prob & Stats
Statistical Inference I
Recent Applications of Prob & Stats
Probabilistic Models of Ops Research
Applied ODEs
Honors Linear Algebra
Mathematical Logic I & II

Computer Science
Artificial Intelligence
Machine Learning
Algorithmic Game Theory
Discrete Structures & Prob
Systems
Logic for Systems
CS: An Integrated Introduction I & II

Behavioral Decision Sciences
Psychology of Making Decisions
Game Theory
Behavioral Economics
Mathematical Microeconomics
Principles of Economics
Cognitive Neuroscience
Introduction to Neuroscience